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(54) Title: CATIONIC ALKOXYAMINES AND THEIR USE IN PRODUCING NANO PARTICLES FROM NATURAL OR SYNTHETIC CLAYS

(57) Abstract: The instant invention relates to cationic alkoxyamines, which are useful as polymerization initiators/regulators in a controlled stable free radical polymerization process to produce intercalated and/or exfoliated nanoparticles from natural or synthetic clays. The invention also relates to improved nanocomposites produced by this process and to the use of these nanocomposite compositions as, for example, coatings, sealants, caulk, adhesives and as plastic additives.